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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/762,504	01/23/2004	Christopher Paul Chambers	016955-0307490	5226

909 7590 05/25/2005

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EXAMINER

LANGDON, EVAN H

ART UNIT	PAPER NUMBER
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3654

DATE MAILED: 05/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/762,504

Applicant(s)

CHAMBERS, CHRISTOPHER
PAUL

Examiner

Evan H Langdon

Art Unit

3654

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 06 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 3-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 5/6/05.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

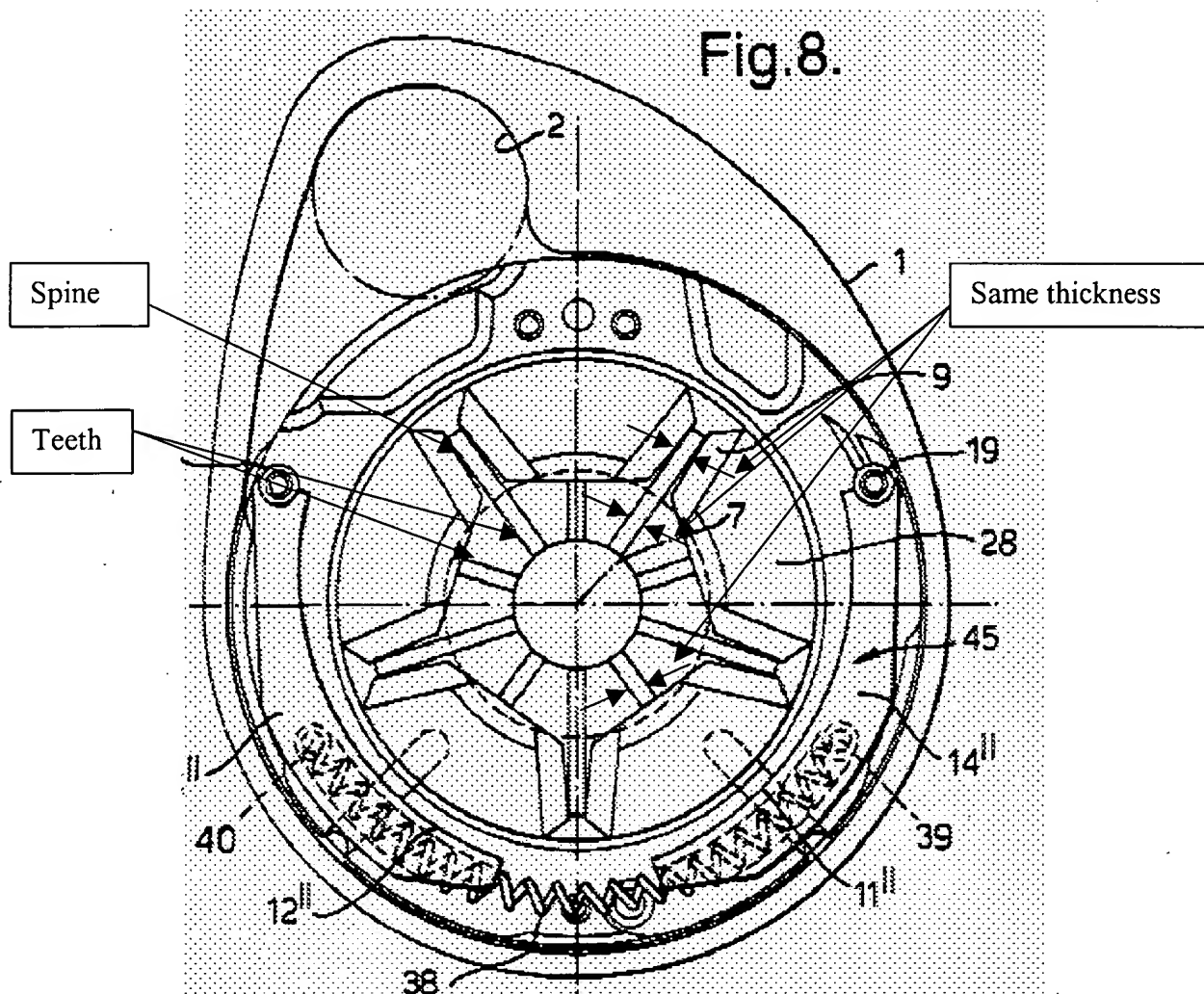
Claims 3-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Henly (US 6,098,962).

Henly discloses a chain wheel part comprising:

a disk 28, 29 having a central portion, a perimeter and a substantially planar peripheral portion surrounding the central portion between the central portion and the perimeter of the disk, wherein the planar peripheral portion lies in a plane, wherein the central portion being displaced from the plane;

a plurality of teeth adapted to drive a rope, wherein the plurality of teeth extending from the central portion, wherein each of the plurality of teeth not extending to the perimeter of the disks wherein each tooth of the plurality of teeth having a tooth thickness; and

a plurality of spines adapted to drive a chain, wherein the spines being positioned on at least some of the teeth at an outer most extremity of the teeth, wherein the spines extending down from the central portion across at least a portion of the planar peripheral portion, wherein each of the plurality of spines having a spine thickness that is substantially the same as the tooth thickness, as seen in Figures 8 and 9 and below.



In regards to claim 4, Henly discloses the spines extend from the central portion across the planar peripheral portion to the perimeter.

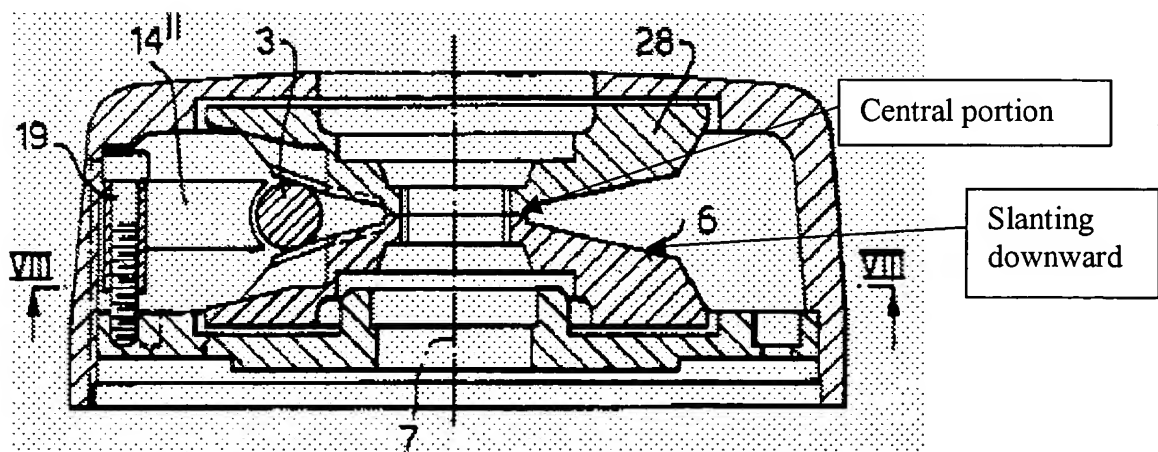
In regards to claim 5, Henly discloses the spines extend from the central portion across the planar peripheral portion to adjacent the perimeter.

In regards to claim 6, Henly discloses a chain wheel part comprising:

a disk 28, 29 having a central portion, a perimeter and a substantially planar peripheral portion surrounding the central portion between the central portion and the perimeter of the disk, wherein the planar peripheral portion lies in a plane, wherein the central portion being displaced from the plane;

a plurality of teeth adapted to drive a rope, wherein the plurality of teeth extending from the central portion, wherein each of the plurality of teeth not extending to the perimeter of the disk; and

a plurality of spines adapted to drive a chain, wherein the spines being positioned on at least some of the teeth at an outer most extremity of the teeth, wherein the spines extending down from the central portion across at least a portion of the planar peripheral portion, wherein each of the plurality of spines having an upper surface and downwardly extending side surfaces, wherein a majority of the upper surface is positioned below the central portion.



In regards to claim 7, Henly discloses the spines extend from the central portion across the planar peripheral portion to the perimeter.

In regards to claim 8, Henly discloses the spines extend from the central portion across the planar peripheral portion to adjacent the perimeter.

Response to Arguments

Applicant's arguments with respect to claims 3-5 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

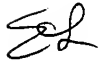
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Evan H Langdon whose telephone number is (571)272-6948. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathy Matecki can be reached on (571) 272-6951. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3654

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



ehl



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